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TITLE: SEMICONDUCTOR PRESSURE DETECTOR AND ITS
PRODUCING METHOD

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INVENTOR-INFORMATION:

NAME

KATOU, YUKIHIRO

WATANABE, YOSHIFUMI

HATANAKA, MAKOTO

NAGASAKA, TAKASHI

ASSIGNEE-INFORMATION:

NAME

NIPPONDENSO CO LTD

COUNTRY

N/A

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ABSTRACT:

PURPOSE: To provide a semiconductor pressure detector of a good air-sealed tightness by providing a liquid-seal structure only in one chamber without providing two chambers of airtight part.

CONSTITUTION: Provided are a circuit board 10 constituting a processing circuit cooperating with a pressure sensing element 5 outputting electric signals according to the pressure, a bonding wire 12, pins 2a and 2b for giving an receiving signals between the pressure sensing element 5 and the exterior, a

connector housing 1 having a press for holding each end of the pin 2a and 2b and provided with a sealing hole 1b for a sealing liquid 13, and a main body housing 3 which has a pressure guide hole 3b to guide external pressure and a slidable seal diaphragm 7 to prevent leak of the seal liquid 13 and transmit the pressure received through the pressure guide hole 3b. And, each of the connection surfaces of the connector housing 1 and the main body housing 3, groove upper surface of the recess provided with each open end of pins 2a and 2b, and the seal hole 1b after sealing the seal liquid 13 are air-sealed.

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